

ERIC Document Resume		See Instruction Sheet		DATE OF RESUME	8/2/65	DATE RECEIVED
A. PUBLICATION DATA						
1. ERIC NUMBER		2. ORIGINATOR CONTROL NO(S)		3. IDENTIFICATION NO.		DO NOT WRITE IN SPACE BELOW
ED0000366		7113		N.A.		
4. AUTHOR(S)		5. TITLE OF DOCUMENT ABSTRACTED:		MICROFILM COPY AVAILABLE		
N.A.		Teaching Overload and Building Shortage Increasing in Recent Years		YES ☒ NO ☐		
6. PUBLICATION TITLE:		7. EDITOR(S):		8. PLACE OF ORIGIN		COPYRIGHT GRANTED
N.A.		N.A.		Westerr Michigan Univ.		YES ☐ NO ☒
9. PUBLISHER OR SOURCE		10. VOL.		11. PAGES		COPYRIGHT RELEASE FILED
Western Michigan University		N.A.		N.A.		YES ☐ NO ☐
12. MO./YR.		13. TOTAL PP.		14. TYPE OF REPORT		OTHER ERIC REFERENCES:
SC		7		PROPOSAL ☐		
				IN-PROGRESS ☐		
15. INDEXING DATA		16. SUBJECT AREA		17. TYPE OF ENDEAVOR		FOLLOW-UP ☐
				Survey		
18. INDEXING TERMS (H-12)		19. SUPPORTING ORGANIZATION		20. DIVISION OR DEPT.		21. CONTRACT NO.
surveys Y-18A						PROJECT NO.
students Y-15						
teachers Y-21						
22. TOTAL COST OF PROJECT						
23. DURATION OF PROJECT						
U.S. Department of Health, Education, and Welfare Office of Education						

Tabulations on: numbers of oncampus students and regular teachers of college classes 1949 to 1959 at Western Michigan University and on the number of square feet of usable floor area per oncampus student available for educational purposes at Western Michigan University in October of 1951 through 1960 and estimates for 1961. Graphs based on the tables are also presented.

ERIC No.	18. SOURCE OF ABSTRACT		
	C. FUNDING DATA		
	19. SUPPORTING ORGANIZATION	20. DIVISION OR DEPT.	21. CONTRACT NO.
		22. TOTAL COST OF PROJECT	
		23. DURATION OF PROJECT	U.S. Department of Health, Education, and Welfare Office of Education

IV - 8

U. S. DEPARTMENT OF HEALTH, EDUCATION AND WELFARE
Office of Education

This document has been reproduced exactly as received from the person or organization originating it. Points of view or opinions stated do not necessarily represent official Office of Education position or policy.

May 1959

TEACHING OVERLOAD AND BUILDING SHORTAGE

Increasing in Recent Years

at Western Michigan University 1V-8

7118

Prepared by
Research Division,
Western Michigan University

ED000366

TABLE I

NUMBER OF ON-CAMPUS COLLEGE STUDENTS AND NUMBER OF
REGULAR TEACHERS OF COLLEGE CLASSES, 1949 TO 1959

Fall of Year	Number of college students enrolled on campus	Number of regular teachers of college classes	Number of college students per college teacher
1949	4123	202	20.4
1950	4146	203	20.4
1951	3702	202	18.3
1952	4145	208	19.9
1953	4367	210	20.8
1954	5104	224	22.8
1955	5750	254	22.6
1956	6493	279	23.3
1957	6875	319	21.6
1958	7804	319	24.5
1959	8500 (Estimate)	319 (If none additional)	26.6 (Estimate)
		423 (Requested total)	20.1 (Estimate)

* Based on Budgetary Information, WMU and on Reports of Four Michigan Colleges.

Comments.

Teaching load has increased 34% in the 7 years from 1951 to 1958.
($24.5 \div 18.3 = 1.34$). If no additional college teachers are employed for 1959-60, the teaching load will be 45% higher than in 1951-52.
($26.6 \div 18.3 = 1.45$).

If 18.0 students per teacher is considered as heavy a teaching load as is consistent with good instruction, the college teachers at Western Michigan University were 36% overloaded in 1958-59 and will be 48% overloaded in 1959-60 if no additional college teachers are employed.

($24.5 \div 18.0 = 1.36$. $26.6 \div 18.0 = 1.48$).

To get the teaching load back to 20.1 college students per college teacher will require the requested additional 104 college teachers for 1959-60.

($8,500 \text{ est.} \div 20.1 = 423$. $423 - 319 = 104$).

To reduce the teaching load to 18.0 college students per college teacher would require 153 additional college teachers for 1959-60.

($8,500 \text{ est.} \div 18.0 = 472$. $472 - 319 = 153$).

GRAPH 1

AVERAGE NUMBER OF ON-CAMPUS COLLEGE STUDENTS
PER REGULAR TEACHER OF COLLEGE CLASSES

(Based on Budgetary Information, Reports of the Four Colleges,
Basic Data folder, North Central Association Guidelines
comparisons, and Registrar's reports for WMU).

Western Michigan University, <u>Fall 1959</u> (If no additional college teachers)	TEACHING OVERLOAD	26.6 Est.
Western Michigan University, <u>Fall 1958</u>	TEACHING OVERLOAD	24.5
Western Michigan University, <u>Fall 1959</u> (If 104 additional college teachers)		20.1 Est.
Western Michigan University, <u>Fall 1951</u>		18.3
Heaviest teaching load acceptable for Western Michigan University		18.0
20 State Colleges of Educ. in 8 States, <u>Fall 1953</u> (Calif., Conn., Ill., Iowa, Mich., Minn., Oregon, Wash.)		17.1
9 State-controlled colleges and universities in Michigan, <u>Fall 1955</u>		16.5
69 Public Universities in U.S., <u>Fall 1953</u>		15.5
North Central Association colleges and universities, <u>Fall 1957</u> (Those offering Master's degree as highest degree)		14.3

NUMBER OF COLLEGE STUDENTS PER COLLEGE TEACHER

Twelve college students per faculty member (entire faculty) in 20 State Colleges of Education in 8 States, Fall 1953, amounted to an equivalent of 17.1 college students per regular teacher of college classes at Western Michigan University. ($12 \div 70\% = 17.1$). See Basic Data folder, pp. 1 and 8.

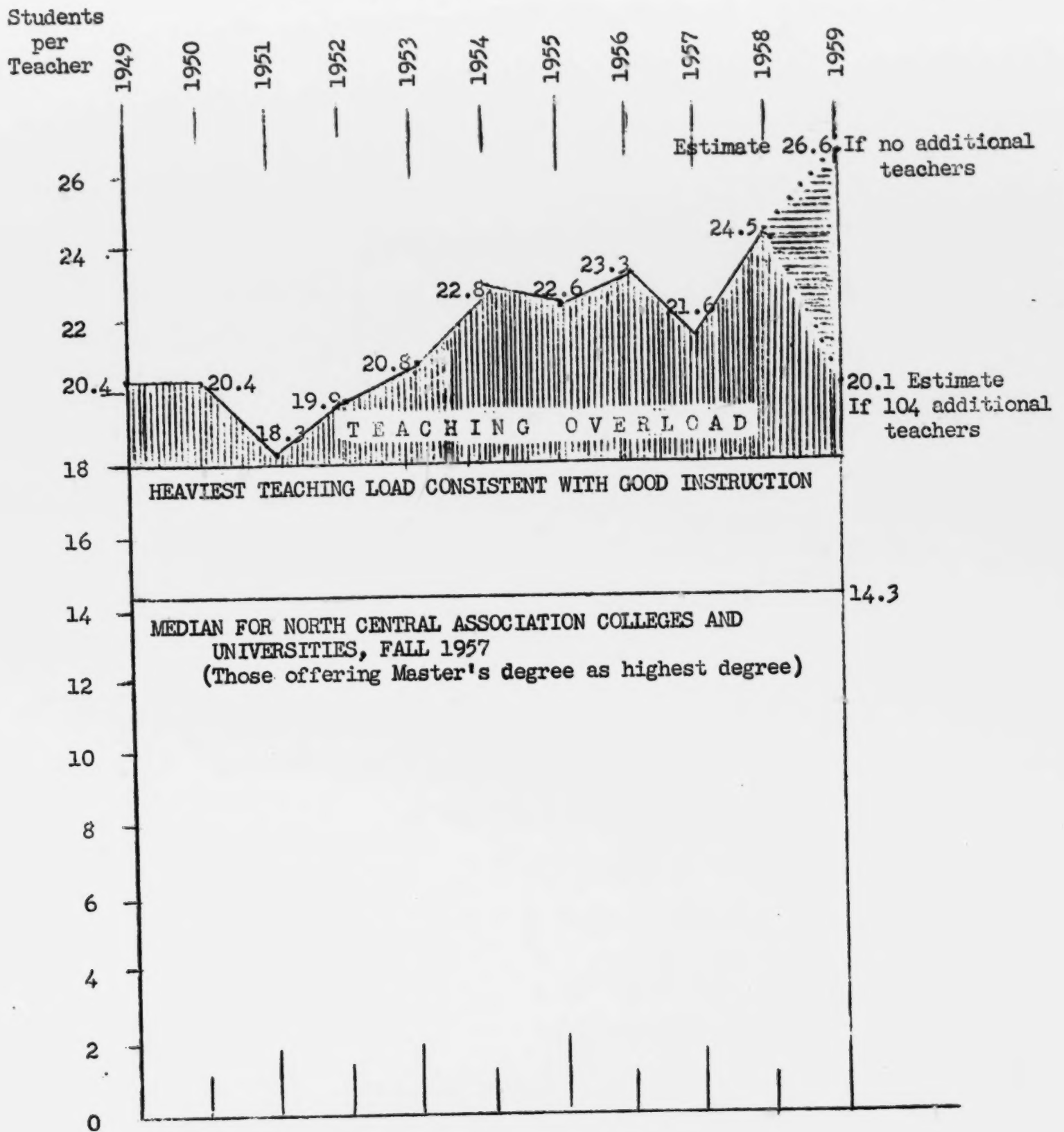
In 1955-56, the teaching load at Western Michigan University was 37% heavier than the teaching load of all 9 State-controlled colleges and universities in Michigan combined. (663 student credit hours per teacher $\div$ 483 student credit hours per teacher $= 1.37$). See Michigan Survey of Higher Education, Staff Study No. 6.

Since in Fall 1955 at Western Michigan University, there were 22.6 college students per regular teacher of college classes, the average teaching load for all 9 State-controlled colleges and universities in Michigan combined was 16.5 college students per college teacher. ($22.6 \div 1.37 = 16.5$).

In Fall 1957, the teaching load for college teachers at Western Michigan University was 51% heavier than the median teaching load of colleges and universities in the North Central Association which offered the Master's degree as the highest degree. (331 student credit hours per teacher $\div$ 219 student credit hours per teacher $= 1.51$). See North Central Association Guidelines comparisons.

Since in Fall 1957 at Western Michigan University, there were 21.6 college students per regular teacher of college classes, the median North Central Association teaching load was 14.3 college students per college teacher. ($21.6 \div 1.51 = 14.3$).

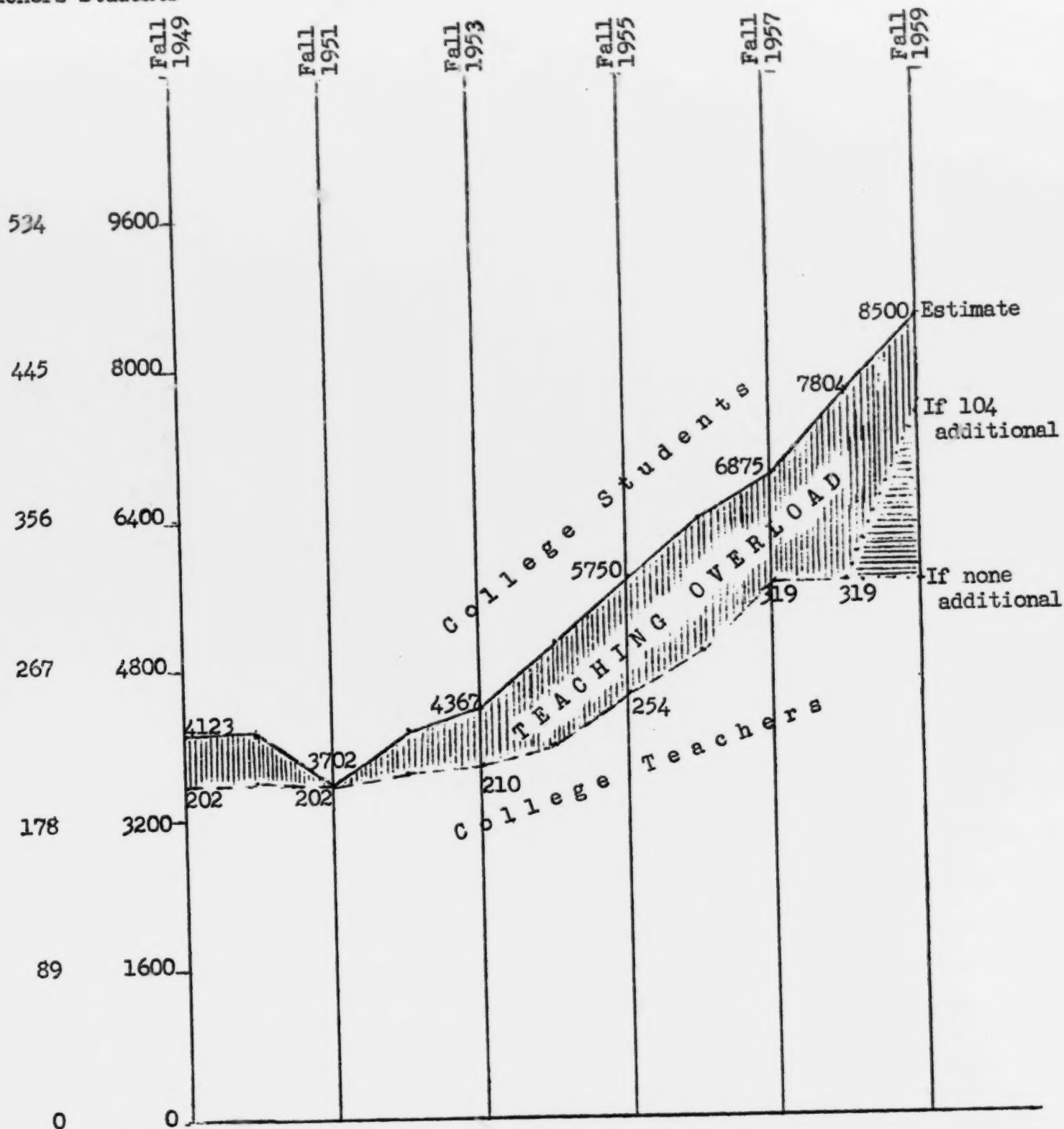
GRAPH 2
NUMBER OF ON-CAMPUS COLLEGE STUDENTS
PER REGULAR TEACHER OF COLLEGE CLASSES, 1949 TO 1959
 (Fall Semesters. Teaching overload shaded. Based on Table I and Graph 1.)



GRAPH 3*

NUMBER OF COLLEGE STUDENTS ON CAMPUS AND
NUMBER OF REGULAR TEACHERS OF COLLEGE CLASSES
AT WESTERN MICHIGAN UNIVERSITY
(Teaching overload shaded. Based on Table I.)

College Teachers
College Students



* Assumes 18 college students per college teacher as the heaviest teaching load consistent with good instruction at Western Michigan University.

May 1959
TABLE II
NUMBER OF SQUARE FEET OF USABLE FLOOR AREA (PERMANENT CONSTRUCTION), PER COLLEGE STUDENT ENROLLED ON CAMPUS,
AVAILABLE FOR EDUCATIONAL PURPOSES AT WESTERN MICHIGAN UNIVERSITY, OCTOBER OF YEARS 1951 THROUGH 1960
AND ESTIMATES FOR 1961 ON THREE BASES

Items	October of Years										
	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961
1. Number of college students enrolled on campus at Western Michigan University*	3,702	4,145	4,367	5,104	5,750	6,493	6,875	7,804	8,500 Esti- mate	9,200 Esti- mate	9,900 Esti- mate
2. Number of square feet of usable floor area (permanent construction) available for educational purposes at Western Michigan University*	524,300	597,900	597,900	597,900	597,900	677,900	748,300	827,900	827,900	827,900	827,900** 1,002,900*** 1,177,900****
3. Square feet of floor area per college student (Item 2 ÷ Item 1)	142	144	137	117	104	104	109	106	97	90	84 or 101 or 119
4. Percentage of minimum desirable standard for Western Michigan University -- 160 square feet per college student:**** (Item 3 ÷ 160)	89%	90%	86%	73%	65%	65%	68%	66%	61%	56%	53% or 63% or 74%

* Based on college records at Western Michigan University and on conservative estimates and requests for 1959 and 1960 as presented in Budget Requests for 1959-60.

** If no new building is ready for use in Fall 1961.

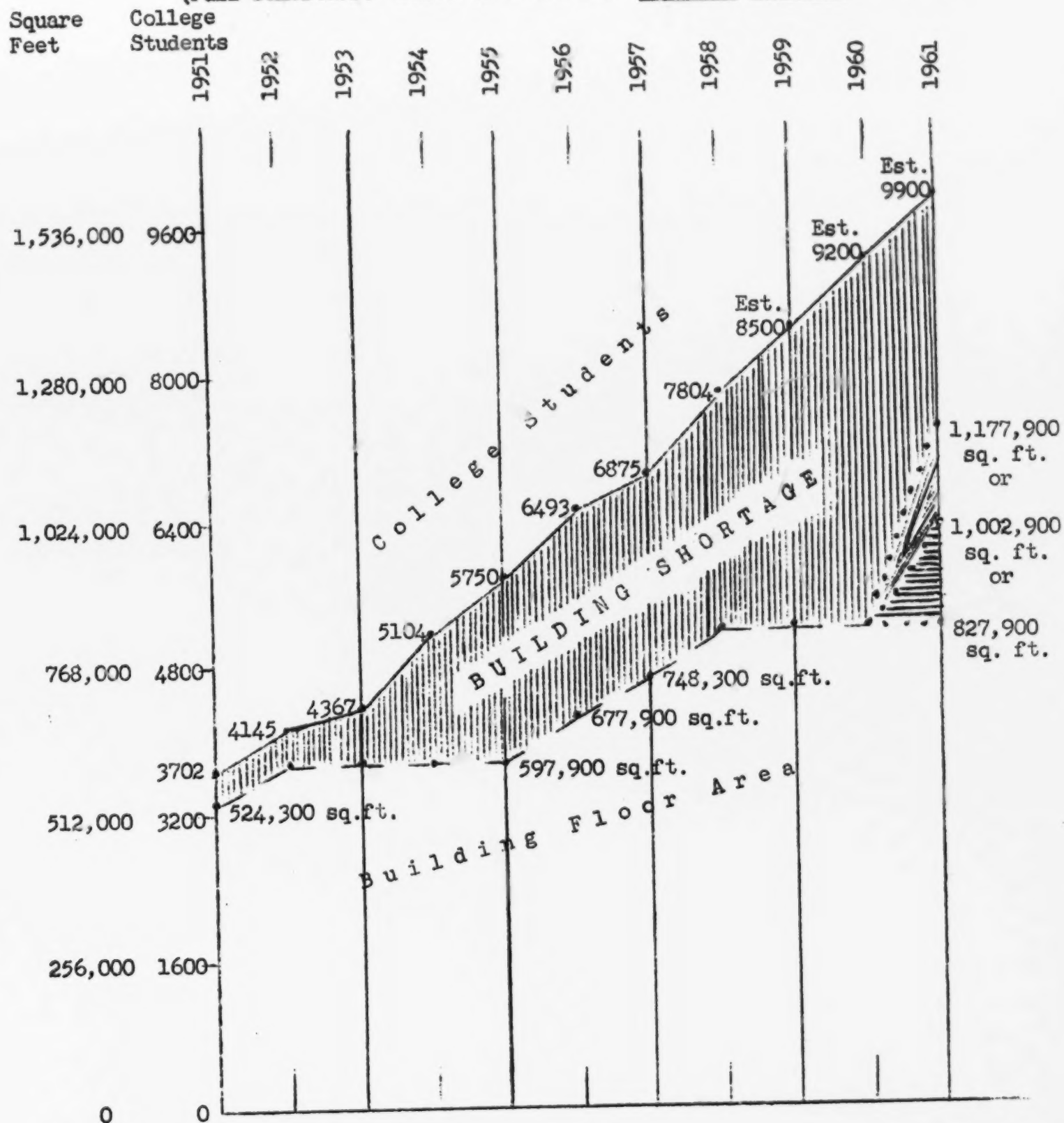
*** If new Science Building (175,000 sq.ft.) is ready for use in Fall 1961.

**** If also new Education and Campus School Building (175,000 sq.ft.) is ready for use in Fall 1961.

***** Average of 4 recent bases = 169 square feet per college student -- head count. See Graph 1 of Building and Land Needs at Western Michigan University to 1970. (204 ÷ 199 = 184 = 784.

784 ÷ 4 = 196. 196 sq.ft. per full-time equivalent college student X 86% = 169 sq.ft. per college student -- head count -- at Western Michigan University.

GRAPH 4*
 NUMBER OF ON-CAMPUS COLLEGE STUDENTS AND
 NUMBER OF SQUARE FEET OF USABLE FLOOR AREA (PERMANENT CONSTRUCTION)
 FOR EDUCATIONAL PURPOSES AT WESTERN MICHIGAN UNIVERSITY
 (Fall semesters. Based on Table II. Building shortage shaded.)



* Assumes 160 square feet of floor area per college student for educational purposes to be the minimum needed for Western Michigan University.